

## 1.4 Day 2: Lewes to Chincoteague Island

On Day 2, the students leave Lewes, Delaware, and ride through Ocean City, Maryland. They stop for the day on Chincoteague (SHING kuh teeg) Island, which is famous for its annual pony auction.

### Did You Know?

Assateague (A suh teeg) Island is home to herds of wild ponies. To survive in a harsh environment of beaches, sand dunes, and marshes, these sturdy ponies eat saltmarsh, seaweed, and even poison ivy!

To keep the population of ponies under control, an auction is held every summer. During the famous “Pony Swim,” the ponies that will be sold swim across a quarter mile of water to Chincoteague Island.

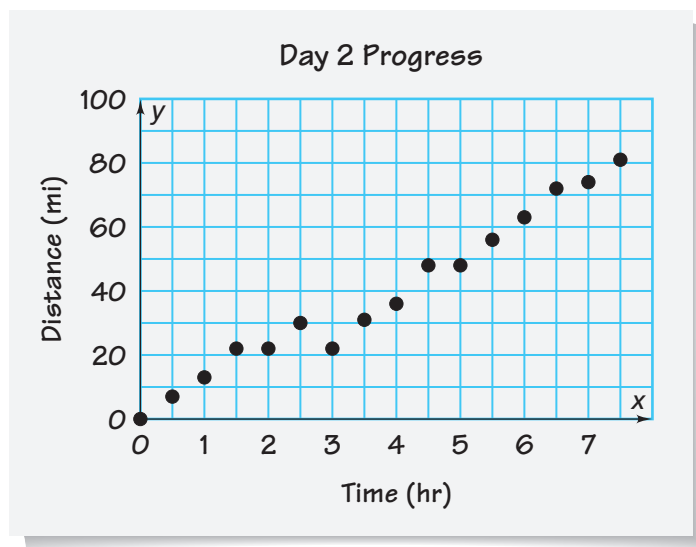


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Celia collects data along the way and uses it to make the graph below. Her graph shows the distance the riders are from Lewes as the day progresses. This graph is different from the graph made for Problem 1.3, which showed the total distance traveled as Day 1 progressed.



## Problem 1.4 Reading Data from Graphs

- A. Does it make sense to connect the points on this graph? Explain.
- B. Make a table of (*time*, *distance*) data that matches the coordinate pairs of the graph. (You will need to estimate many of the distance values.)
- C. What might have happened between hours 2 and 4? What do you think happened between hours 1.5 and 2?
- D. During which interval(s) did the riders make the most progress? During which interval(s) did they make the least progress?
- E. Which method of displaying the data helps you see the changes better, a table or a graph? Explain.
- F. Use the graph to find the total distance the riders travel on Day 2. How did you find your answer?

**ACE** Homework starts on page 15.

## Did You Know?

The Global Positioning System (GPS) is a satellite navigation system funded and operated by the U.S. Department of Defense. However, there are many thousands of civilian users of GPS worldwide. With the use of a portable computer, a Braille keyboard, and a GPS receiver, a blind person is able to get directions.

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